

INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB2004/050599

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H03G3/32 H04M1/82 H04M1/60 H04M1/725

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H03G H04M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 987 106 A (KITAMURA) 16 November 1999 (1999-11-16) column 2, line 30 - column 9, line 13 figures 1,2	1-13
A	PATENT ABSTRACTS OF JAPAN vol. 015, no. 108 (E-1045), 14 March 1991 (1991-03-14) & JP 02 312425 A (SEKISUI CHEM CO LTD), 27 December 1990 (1990-12-27) abstract	1-13
A	PATENT ABSTRACTS OF JAPAN vol. 1995, no. 05, 30 June 1995 (1995-06-30) & JP 07 050710 A (DELTA KOGYO KK), 21 February 1995 (1995-02-21) abstract	1-13
-/--		

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

19 August 2004

Date of mailing of the international search report

30/08/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Pinilla-Ariza, D

INTERNATIONAL SEARCH REPORT

International Application No
PCT/IB2004/050599

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 507 482 A (NOKIA MOBILE PHONES LTD) 7 October 1992 (1992-10-07) column 1, line 36 - column 3, line 47 -----	1-13
A	EP 0 959 608 A (BOSCH GMBH ROBERT) 24 November 1999 (1999-11-24) column 1, line 16 - column 5, line 12 figure 4 -----	1-13

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No
PCT/IB2004/050599

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5987106	A	16-11-1999	NONE	
JP 02312425	A	27-12-1990	NONE	
JP 07050710	A	21-02-1995	NONE	
EP 0507482	A	07-10-1992	FI 87872 B EP 0507482 A2 JP 5091166 A	13-11-1992 07-10-1992 09-04-1993
EP 0959608	A	24-11-1999	DE 19822370 A1 EP 0959608 A1	25-11-1999 24-11-1999